

Title (en)
ENDOSCOPE SYSTEM AND IMAGE DISPLAY METHOD

Title (de)
ENDOSKOPSYSTEM UND BILDANZEIGEVERFAHREN

Title (fr)
SYSTÈME D'ENDOSCOPE ET PROCÉDÉ D'AFFICHAGE D'IMAGE

Publication
EP 2754379 B1 20190703 (EN)

Application
EP 12829972 A 20120822

Priority
• JP 2011193185 A 20110905
• JP 2012071173 W 20120822

Abstract (en)
[origin: US2014152790A1] An observation object is imaged under irradiation with oxygen saturation level measurement light to obtain a first image signal, and the observation object is imaged under irradiation with white light to obtain a second image signal. A normal light image is produced from the second image signal. An oxygen saturation level is calculated from the first and second image signals. The calculated oxygen saturation level is imaged in an oxygen saturation image. By superimposing the normal light image on the oxygen saturation image, an emphasized oxygen saturation image is produced. In the emphasized oxygen saturation image, an abnormal area in which a calculation result of the oxygen saturation level is likely to be abnormal is emphasized by its brightness. The produced emphasized oxygen saturation image is displayed on a display device.

IPC 8 full level
A61B 1/00 (2006.01); **A61B 1/04** (2006.01)

CPC (source: EP US)
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Cited by
EP3427637A4; US10925476B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2014152790 A1 20140605; US 9918613 B2 20180320; CN 103796566 A 20140514; CN 103796566 B 20170606;
EP 2754379 A1 20140716; EP 2754379 A4 20150527; EP 2754379 B1 20190703; JP 5887350 B2 20160316; JP WO2013035531 A1 20150323;
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